

Li, Ruixiang

12/15/79

To: STIC-Biotech/ChemLib
Subject: Sequence search of Application NO: 09/826,509

Please do a standard search on SEQ ID NO: 449 against interference amino acid databases.

Thank you very much!

Ruixiang Li
GAU 1646
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(571) 272-0875

78737

5/15/79
1-AT
PSP

GenCore version 5.1.6
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OM protein - Protein search, using sw model

Run on: May 7, 2004, 13:17:25 ; Search time 22 Seconds
(without alignments)
1032.519 Million cell updates/sec

Title: US-09-826-509-449
Perfect score: 2292
Sequence: 1 MYPEPGPTANSTPANGAGPP FNIDPAEPELRPHPLGIPTN 440

Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5
Searched: 38914 seqs, 51625371 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*

2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*

3: /cgn2_6/prodata/2/1aa/6A.COMB.pep:*

4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*

5: /cgn2_6/prodata/2/1aa/PCUTUS.COMB.pep:*

6: /cgn2_6/prodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	557	24.3	468	2 US-09-390-000A-7	Sequence 1, Appli
2	557	24.3	477	1 US-08-387-722A-16	Sequence 16, Appli
3	554	24.2	405	1 US-08-351-473B-2	Sequence 2, Appli
4	553	24.1	365	2 US-08-467-552B-9	Sequence 5, Appli
5	552	24.1	400	1 US-08-351-473B-5	Sequence 5, Appli
6	552	24.1	400	3 US-08-450-962A-4	Sequence 4, Appli
7	552	24.1	400	4 US-08-450-962-6	Sequence 4, Appli
8	552	24.1	400	4 US-08-818-631-4	Sequence 4, Appli
9	552	24.1	400	4 US-08-818-631-6	Sequence 6, Appli
10	552	24.1	446	1 US-07-622-618A-21	Sequence 21, Appli
11	552	24.1	446	1 US-08-333-977-21	Sequence 6, Appli
12	551	24.1	400	1 US-07-916-901-6	Sequence 6, Appli
13	551	24.1	400	1 US-07-733-05C-1	Sequence 4, Appli
14	551	24.1	400	1 US-08-351-473B-4	Sequence 4, Appli
15	551	24.0	477	1 US-08-444-73A-4	Sequence 4, Appli
16	547	23.9	446	2 US-07-952-267B-4	Sequence 4, Appli
17	547	23.9	446	4 US-09-162-510-4	Sequence 2, Appli
18	546	23.8	388	1 US-08-087-772A-2	Sequence 6, Appli
19	538	23.5	472	1 US-08-124-338A-6	Sequence 2, Appli
20	533	23.5	487	1 US-08-444-73A-4	Sequence 6, Appli
21	533	23.3	408	1 US-08-351-473B-3	Sequence 6, Appli
22	531	23.2	402	1 US-08-444-73A-6	Sequence 15, Appli
23	531	23.2	402	1 US-08-087-772A-15	Sequence 2, Appli
24	531	23.2	408	1 US-07-916-2901-2	Sequence 2, Appli
25	531	23.2	408	3 US-08-450-962-2	Sequence 2, Appli
26	531	23.2	408	3 US-08-450-962-5	Sequence 5, Appli
27	531	23.2	408	4 US-08-848-631-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-390-000A-7
Sequence 7, Application US/08390000A
; Patent No. 598583
; GENERAL INFORMATION:
; APPLICANT: Sealon, Stuart C.
; TITLE OF INVENTION: Cloning and Expression of
; Gonadotropin-Releasing Hormone Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Peannie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; ZIP: 10016-2711
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOCS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,000A
; CLASSIFICATION: 17-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18-872
; REFERENCE/DOCKET NUMBER: 6923-052
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 869-8664/9741
; TELEX: 6141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: Protein
; US-08-390-000A-7

Query Match 1 MVERGPTANSTPANGAGPPSAAGPSGKAYAAACVIALTAANSLILICITQPALENT 60
Best Local Similarity 33.8%; Pred. No. 2.1e-34;
Matches 144; Conservative 67; Mismatches 169; Gaps 11;
Db 24 IVPASPPSLPPAQPSSPLSQWTAGMLNLIVVAVRNLVVIATMPRLQLT 83
Qy 61 SNFLYSLFTSDLMYGLVMPAMLNALYGRWVTLARGICLQLWTAFDYMCSCASILNLCL 120

84 TNLFMFLASADLVMGLIVVPGATIVVNGWEYGGFFCEIWTSVLCVTTASETLCVI 143
 121 SDRYLIISPLRYKPLMTPLEALAYUGAMSILANASETLILLW-HEIGHARPPV- 176
 144 ALDRYALATISPLRYQSLITRARGIVCTWAAISAVSFPLIMHWRAESDEARRCYND 203
 177 PQCCRLLASLSPFLVIAASGLTFLPSAICPFCRLLAARKQAVQAS---LTTGMAAQ 232
 204 PKCCDFVTVNRAIASSVSVSPVPLCIMAFYLVRERQKVIDSERRFLGGPAPR 263
 233 ASET----LQVPRPRPGYESADS-----RLATKHSRALKAKLTGIL 273
 264 PSFSPSPVPAAPPGPSPRPAAAATAAPLANGRAGKCRPSRLVALREQRALK---TLGII 320
 274 LGMFIFTWLPFFVANVQAV-CDCTISGGLFDVLTWIGCNSTMNPITY--PLFNRDFKR 329
 321 MGVTFLCMLPFFFLANTYKAFLRELDRLFVFFNWLGYANSAFNPITYCRSP---DFRK 376
 330 ALGRFLPCPRCRERQASLASPLRSLRTSHSGPRGLSLOQVTLPLPLP-PDSDSDSAGSQ 388
 377 AFQGLLCCARRARRHATHGDRPRASGLCARG-----PPPSGAAASDDDDVVGA 429
 RESULT 2
 US-08-087-772A-16
 Sequence 16, Application US/08087772A
 / GENERAL INFORMATION:
 / Patent No. 5691155
 / NUMBER OF SEQUENCES: 17
 / ADDRESSEE: Bell, Seltzer, Park & Gibson
 / STREET: Post Office Drwre 34009
 / CITY: Charlotte
 / STATE: No. 5631155th Carolina
 / COUNTRY: USA
 / ZIP: 28234
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: ParentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/087,772A
 / FILING DATE:
 / CLASSIFICATION: 800
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Linker, Raymond O.
 / REGISTRATION NUMBER: 26,419
 / REFERENCE/DOCKET NUMBER: 3339-195
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 919-881-3140
 / TELEFAX: 919-881-2175
 / INFORMATION FOR SEQ ID NO: 16:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 477 amino acids
 / TYPE: amino acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: peptide
 / US-087-772A-16
 / Query March 24.3t; Score 557; DB 1; Length 477;
 / Best Local Similarity 33.8%; Pred. No. 2.1e-34;

84 TNLFMFLASADLVMGLIVVPGATIVVNGWEYGGFFCEIWTSVLCVTTASETLCVI 143
 121 SDRYLIISPLRYKPLMTPLEALAYUGAMSILANASETLILLW-HEIGHARPPV- 176
 144 ALDRYALATISPLRYQSLITRARGIVCTWAAISAVSFPLIMHWRAESDEARRCYND 203
 177 PQCCRLLASLSPFLVIAASGLTFLPSAICPFCRLLAARKQAVQAS---LTTGMAAQ 232
 204 PKCCDFVTVNRAIASSVSVSPVPLCIMAFYLVRERQKVIDSERRFLGGPAPR 263
 233 ASET----LQVPRPRPGYESADS-----RLATKHSRALKAKLTGIL 273
 264 PSFSPSPVPAAPPGPSPRPAAAATAAPLANGRAGKCRPSRLVALREQRALK---TLGII 320
 274 LGMFIFTWLPFFVANVQAV-CDCTISGGLFDVLTWIGCNSTMNPITY--PLFNRDFKR 329
 321 MGVTFLCMLPFFFLANTYKAFLRELDRLFVFFNWLGYANSAFNPITYCRSP---DFRK 376
 330 ALGRFLPCPRCRERQASLASPLRSLRTSHSGPRGLSLOQVTLPLPLP-PDSDSDSAGSQ 388
 377 AFQGLLCCARRARRHATHGDRPRASGLCARG-----PPPSGAAASDDDDVVGA 429
 RESULT 2
 US-08-087-772A-16
 Sequence 16, Application US/08087772A
 / GENERAL INFORMATION:
 / Patent No. 5691155
 / NUMBER OF SEQUENCES: 17
 / ADDRESSEE: Bell, Seltzer, Park & Gibson
 / STREET: Post Office Drwre 34009
 / CITY: Charlotte
 / STATE: No. 5631155th Carolina
 / COUNTRY: USA
 / ZIP: 28234
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: ParentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/087,772A
 / FILING DATE:
 / CLASSIFICATION: 800
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Linker, Raymond O.
 / REGISTRATION NUMBER: 26,419
 / REFERENCE/DOCKET NUMBER: 3339-195
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 919-881-3140
 / TELEFAX: 919-881-2175
 / INFORMATION FOR SEQ ID NO: 16:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 477 amino acids
 / TYPE: amino acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: peptide
 / US-087-772A-16
 / Query March 24.3t; Score 557; DB 1; Length 477;
 / Best Local Similarity 33.8%; Pred. No. 2.1e-34;

Qy 1 MYPEPGPTANSPIAWGAGPPSSAPPGSQWVAALCVVTAANNSLIALICTOPALRNT 60
 Db 33 LVASPPASLLPPASESDEPUSQWQTAGMGLIMALIVLIVAGGVIVIVATAKTPRLQL 92
 Qy 61 SNPFVLSLFTSDIMVGLVYMPPPAMLNALVYGRWVLARGLCJLWTAFDYMCSSASILNCLL 120
 Db 93 TND.FIMSLASADDVGMGLIVVPRGATIVVNGWEYGSFCELMVTSVDCVTAISIETLCV 152
 Qy 121 SDRYLIISPLRYKPLMTPLEALAYUGAMSILANASETLILLW-HEIGHARPPV- 176
 Db 153 ALDRYALATISPLRYQSLITRARGIVCTWAAISAVSFPLIMHWRAESDEARRCYND 212
 Qy 177 PGQRLLASLSPFLVAGSLTFLPSGAGCFCYCRILLAARKQAVQAS---LTTGMASQ 232
 Db 213 PKCDFVTVNRAIASSVVSFTVPLCIMAFYLVREAQVKKIDSCCRFLGGPAPR 272
 Qy 233 ASET----LQVPRPRPGYESADS-----RLATKHSRALKAKLTGIL 273
 Db 273 PSBSPSPVPAAPPGPSPRPAAAATAAPLANGRAGKRRPSSILVALREQKALK---TLGII 329
 Qy 274 LGMFIFTWLPFFVANVQAV-CDCTISGGLFDVLTWIGCNSTMNPITY--PLFNRDFKR 329
 Db 330 MGVTFLCMLPFFFLANTYKAFLRELDRLFVFFNWLGYANSAFNPITYCRSP---DFRK 385
 Qy 330 ALGRFLPCPRCRERQASLASPLRSLRTSHSGPRGLSLOQVTLPLPLP-PDSDSDSAGSQ 388
 Db 386 AFQGLLCCARRARRHATHGDRPRASGLCARG-----PPPSGAAASDDDDVVGA 438
 Qy 389 SSGRL 394
 Db 439 TPPARL 444
 RESULT 3
 US-08-31-473B-2
 / Sequence 2, Application US/08351473B
 / Patent No. 565640
 / GENERAL INFORMATION:
 / APPLICANT: LENZEN, GERLINDA
 / APPLICANT: KAPOOR, ARCHANA
 / TITLE OF INVENTION: NUCLOTIDE SEQUENCES CODING FOR THE
 / TITLE OF INVENTION: BOVINE BETA3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS
 / NUMBER OF SEQUENCES: 9
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
 / STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
 / CITY: ARLINGTON
 / STATE: VIRGINIA
 / COUNTRY: USA
 / ZIP: 22202
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/351,473B
 / FILING DATE: 21-FEB-1995
 / CLASSIFICATION: 435
 / PRIORITY APPLICATION DATA:
 / APPLICATION NUMBER: PCT/FR94/00447
 / FILING DATE: 21-APR-1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: OBLON, NORMAN F.
 / REGISTRATION NUMBER: 24,618
 / REFERENCE/DOCKET NUMBER: 6639-001-0X PCT
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (703) 413-3000

Query Match 24.2%; Score 554; DB 1; Length 405;
 Best Local Similarity 33.6%; Pred. No. 3e-34; Indels 66; Gaps 13;
 Matches 143; Conservative 61; Mismatches 156; DB 2; Length 365;
 US-08-467-559B-9

Query 1 MVPEPG-PTANSTPAWGAGPPSAPGGSGNTAAALCVVIALTAANNSLIALICITQPALRN 59
 Db 11 LTPWPPIPTLAPNTANASGLPGVPAVALLAGALLALAVIATVGNNLVIVAIATPRLQT 70

Query 60 TSNFPLVLSLFTSDLAVNGLYVMPAMNLNYGRWVLARGCLLWTAIDVYCCASASILNLCL 119
 Db 71 MTNWFVFTSLATADLVGLVYPPGATLALTGHWPVGTGCELNTSVDTLCVATSETLCA 130

Query 120 ISLDRLVLLISPLRYKLRTPLRLAVLVLGWSLAAASPLFLUGWHLG-----H 171
 Db 131 LAVDRLLAVTNPRLVGTGALVTKRRAAAYVWVSAVSPAPIMSKWNRIGADEAQRC 190

Query 172 ARPPVPGQCRLLASLDFVLYASGLTFLPSGAICTYCRILLAAKQAVQASLTGTM-- 229
 Db 191 SNPRC---CTPASNNMYALLSSSVFYLPLVMLFVYARVFFVATRQ-ILRLRRLGFP 246

Query 230 -----ASQASETTQVPRTPRGYESADSR--RLATKHSRKALKLTLGILGMFFV 279
 Db 247 PEESPPAPSSGSPGLAGCPASPGPSYGERPAPLPLREHRAI--TGLIMGTFL 303

Query 280 TWLPPFTVANTIVQAV--CDC1SPGLFLVNLTMGYCNSTMNPILY---PLMRDFKRALGRF 334
 Db 304 CWLPPFTVANVYVNLVYVRLGSPLVGPTFALWVNGYANSAFNPLIYCRSPDERSAFLRC 363

Query 335 LP-----CPRCPREROQASLASPLSLQVLPPLPDDSDSDAGS 386
 Db 364 RPEEHAAASPRAPS-----GAPALTSPAGPNQ-----PPELD----- 398

Query 387 GGSGL 392
 Db 399 GASCGL 404

RESULT 4
 US-08-467-559B-9
 Sequence 9, Application US/08467559B
 Patent No. 5928890
 GENERAL INFORMATION:
 APPLICANT: LI, YI
 TITLE OF INVENTION: HUMAN AMINE RECEPTOR
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN AND FOX, P.L.L.C.
 STREET: 1100 NEW YORK AVENUE, NW, SUITE 600
 CITY: WASHINGTON
 STATE: DC
 COUNTRY: UNITED STATES OF AMERICA
 ZIP: 20005-3334
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,559B
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K

RESULT 5
 US-08-467-559B-5
 Sequence 5, Application US/08351473B
 Patent No. 565440
 GENERAL INFORMATION:
 APPLICANT: LENZEN, GERLINDA
 APPLICANT: KAPOOR, ARCHANA
 TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
 STREET: 1755 S. JEFFERSON, ALEXANDRIA, VA 22314
 CITY: ALEXANDRIA
 STATE: VIRGINIA
 COUNTRY: USA
 ZIP: 22314
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/351,473B
 FILING DATE: 21-FEB-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 93 04670
 FILING DATE: 21-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/FR94/00447
 FILING DATE: 21-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: OBLON, NORMAN F.
 REGISTRATION NUMBER: 24,618
 REFERENCE/DOCKET NUMBER: 6639-001-0X PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 413-0000
 TELEFAX: (703) 413-2220
 TELELEX: 248855 OPAT UR
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-351-473B-5

Query Match 24.1%; Score 552.5; DB 1; Length 400;
 Best Local Similarity 35.1%; Pred. No. 3.9e-34;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGTANSTPA-WGAGP---PSAPGSSG---WVAALCYVIAL-TAAANSLILACTQ 54
 Db 3 PWPHRGSLAAMSADPLPSAANTSGLPGYPPWAALAGALLATVGNLVTIAART 62

Qy 55 PALRNTSNFELVSLTSFSDLMYGLVNPAMINAYGRWVLARGCLILWTAFDYNNCCSASI 114
 Db 63 PRLQTINVETSLAADDLVVGLVPPGATLALGHWLGETGELWTSVDVLCVATI 122

Qy 115 LNCLISLDYLLISPLRYKLRMTPLRALALVGLAASPLPILLGHHLIG--- 170
 Db 123 ETLCAALAVDRLAVTNPFLRYGLTVTRRARRAVVWIVASVAPINSQWNRVADAE 182

Qy 171 ---HARPPVPGQCRLLASLPPVVLVAGSLTFLPSGAICTYCRILLAARKQAVQASLT 226
 Db 183 AQECHSNPRC---CSFASNMPYALLSSVSVTPLVMLPVYARVFFVAKQR-HLLRRE 238

Qy 227 TGMASQSETLVPRTPR---GVSADER---GVSADER---GVSADER--- 274

Db 239 LGRFSPEESPPSPSRSSPATCGTPAAPDGYPGPPGRRPAPLPLRERHARL---TGLIM 295

Qy 275 GMFFVTLPLFFVANIYQAVC---DCISFGLFDVLTWGLYCNSTMNPITY---PLFMRDFKR 329
 Db 296 GFSLICMLPFLANVLRALAGPSLVSQGVFALNNVGYANSAFNPIYCRSPDFRDAFRR 355

Qy 330 AL---GRFLPCPRC---PREQASLASPSLR-TSHSGPRP 362

Db 356 LUCSYGRRGPEEPRAVTPPASPVEAROSPLNRFDSVEGARP 397

RESULT 6
 US-08-450-962-4
 Sequence 4. Application US/08450962
 Parent No. 6274706
 GENERAL INFORMATION:
 APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
 APPLICANT: STROBERG, Donny
 TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
 TITLE OF INVENTION: GENES
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: RECK, MAHIN & CATE
 STREET: P.O. BOX 06110
 CITY: CHICAGO
 STATE: ILLINOIS
 COUNTRY: U.S.A.
 ZIP: 60606-0110

RESULT 7
 US-08-450-962-6
 Sequence 6, Application US/08450962
 Patent No. 6274706
 GENERAL INFORMATION:
 APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
 APPLICANT: STROBERG, Donny
 APPLICANT: STROBERG, Donny

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
NUMBER OF INVENTION: GENES

CORRESPONDENCE ADDRESS:

ADDRESSEE: RECK, MAHIN & CATE

STREET: P.O. BOX 06110

CITY: CHICAGO

STATE: ILLINOIS

COUNTRY: U.S.A.

ZIP: 60606-0110

COMPUTER READABLE FORM:

MEDIUM TYPE: 3-1/2" diskette

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/450,962

FILING DATE: 0-SEPT-1993

APPLICATION NUMBER: 07/1921,571

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR89/00918

FILING DATE: 25-JAN-1989

ATTORNEY/AGENT INFORMATION:

NAME: Fleit, Martin; Gollin, Michael A.

REGISTRATION NUMBER: 16,900; 31,957

REFERENCE/DOCKET NUMBER: 47078-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 789-3400

TELEFAX: (202) 789-1158

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 400 residues

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE:

DESCRIPTION: polypeptide

US-08-450-962-6

Query Match 24.1%; Score 552.5; DB 4; Length 400;

Best Local Similarity 35.1%; Pred. No. 3.9e-31; Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

5 PGPTANSTPA-NGAGP---PSAPEGSG---WVAALCVVIAL-TAANSLILIAILCTQ 54

3 PWPHRGNSHALNSDAPTLIDPSAANTSGLPGLPVWAAALAGAALIALATVGGNLLVIAART 62

55 PALRNTSNFPLSLFTSDLMVGLVPPAMLNALYGEWNLRLGLCLWTAEDVMCCSASI 114

63 PRQQTINVFVTSIILAAADLVVGLVMPFGATLALTGMPGLGETGCLWTSVDCYTTASI 122

Qy 115 LNLCILISDRLILISLSPRYKURMTPRLALVLYGAVSLAALASFLPPLGWHELG--- 170

Db 123 ETULCALAIDRYLAVTNPRLYGLVTKRPARAAYVLMIVSAAVSEAPIMSQWRYGADAE 182

Qy 171 ---HARPPVPGQCRLLASLSPFLPFVAVSLTFFPGLGATCFTYCRILIAARKQAVQASLT 226

Db 183 AQECHSNPRC---CSFAANMPYALLSSSVSFVPLMLFVYARVFTVAKQR-HILRRE 238

Qy 227 TGMASQASSETLQVTPRPRE-----GVEASDSR--RLATKHSRKALKTGLILL 274

Db 239 LGFSPSEESPPSISRSPSATGGTPAADDGVPDGRREPARIPLRBRALR---TIGLIM 295

Qy 275 GMFVFVTLPLPFVAVNIVQAVC---DCISPLGFLDVTLWLYCNSTMNPLIY---PLFMDRFR 329

Db 296 GIPSLCWLPFELANVRLAAGPSLVSFGVFAILNWGYANSAFNPVYCRSPFDRAFRR 355

Qy 330 AL---GRFLPCRC---PREROASLASPSLR-TSHSGPRP 362

356 LICSYGGGRGPEEPRAVTFPASPVEAROSPPLNRFDGEGARP 397

RESULT 8

US-08-818-631-4

Sequence 4, Application US/08848631.

Patent No. 663442

GENERAL INFORMATION:

APPLICANT: ENORINE, Laurent; MARULLO, Stefano;

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND

MOUSE a3-ADRENERGIC RECEPTOR

GENES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: RECK, MAHIN & CATE

STREET: P.O. BOX 06110

CITY: CHICAGO

STATE: ILLINOIS

COUNTRY: U.S.A.

ZIP: 60606-0110

COMPUTER READABLE FORM:

MEDIUM TYPE: 3-1/2" diskette

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/117,829

FILING DATE: 0-SEPT-1993

APPLICATION NUMBER: 07/1921,571

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR89/00918

FILING DATE: 25-JAN-1989

ATTORNEY/AGENT INFORMATION:

NAME: Fleit, Martin; Gollin, Michael A.

REGISTRATION NUMBER: 16,900; 31,957

REFERENCE/DOCKET NUMBER: 47078-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 789-3400

TELEFAX: (202) 789-1158

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 400 residues

TYPE: amino acid

TOPOLOGY: Linear

MOLECULE TYPE: <unknown>

DESCRIPTION: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-08-848-631-4

Query Match 24.1%; Score 552.5; DB 4; Length 400;

Best Local Similarity 35.1%; Pred. No. 3.9e-31; Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

5 PGPTANSTPA-WGAGP---PSAEGSG---WVAALCVVIAL-TAANSLILIAILCTQ 54

3 PWPHRGNSHALNSDAPTLIDPSAANTSGLPGVPPAALAGAALIALATVGGNLLVIAART 62

Qy 55 PALRNTSNFPLSLFTSDLMVGLVPPAMLNALYGEWNLRLGLCLWTAEDVMCCSASI 114

Db 63 PRQQTINVFVTSIILAAADLVVGLVMPFGATLALTGMPGLGETGCLWTSVDCYTTASI 122

Qy 115 LNLCILISDRLILISLSPRYKURMTPRLALVLYGAVSLAALASFLPPLGWHELG--- 170

Db 123 ETULCALAIDRYLAVTNPRLYGLVTKRPARAAYVLMIVSAAVSEAPIMSQWRYGADAE 182

Qy 171 ---HARPPVPGQCRLLASLSPFLPFVAVSLTFFPGLGATCFTYCRILIAARKQAVQASLT 226

Db 183 AQECHSNPRC---CSFAANMPYALLSSSVSFVPLMLFVYARVFTVAKQR-HILRRE 238

Qy 227 TGMASQASSETLQVTPRPRE-----GVEASDSR--RLATKHSRKALKTGLILL 274

Db 239 LGFSPSEESPPSISRSPSATGGTPAADDGVPDGRREPARIPLRBRALR---TIGLIM 295

Qy 275 GMFVFVTLPLPFVAVNIVQAVC---DCISPLGFLDVTLWLYCNSTMNPLIY---PLFMDRFR 329

Db 296 GIPSLCWLPFELANVRLAAGPSLVSFGVFAILNWGYANSAFNPVYCRSPFDRAFRR 355

Qy 330 AL---GRFLPCRC---PREROASLASPSLR-TSHSGPRP 362

356 LICSYGGGRGPEEPRAVTFPASPVEAROSPPLNRFDGEGARP 397

RESULT 9

US-08-848-631-6

Sequence 6, Application US/08848631

Patent No. 6633442

GENERAL INFORMATION:

APPLICANT: EMORINE, Laurent; MARULLO, Stefano; STOSZBERG, Donny

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND MOUSE a3-ADRENERGIC RECEPTOR GENES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: KECK, MAHIN & CATE

STREET: P.O. BOX 06110

CITY: CHICAGO

STATE: ILLINOIS

COUNTRY: U.S.A.

ZIP: 60606-0110

COMPUTER READABLE FORM:

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/848,631

FILING DATE: 08-Jun-1999

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/721,571

FILING DATE: 25-MAY-1990

APPLICATION NUMBER: PCT/FR89/00918

FILING DATE: 15-JAN-1989

ATTORNEY/AGENT INFORMATION:

NAME: Fleit, Martin; Gollin, Michael A.

REGISTRATION NUMBER: 16,900; 31,957

REFERENCE/DOCKET NUMBER: 47078-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 789-2400

TELEFAX: (202) 788-1158

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 400 residues

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: <Unknown>

DESCRIPTION: Polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-08-848-631-6

RESULT 10

US-07-626-618A-21

Sequence 21, Application US/07626618A

Patent No. 5422265

GENERAL INFORMATION:

APPLICANT: Van Tol, Hubert H.M.

APPLICANT: Civelli, Olivier

TITLE OF INVENTION: A No. 5422265 sel Human Dopamine Receptor and Uses

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: Allegretti & Witcoff, Ltd.

STREET: 10 South Wacker Drive, Suite 3000

CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/626, 618A

FILING DATE: 7 DEC 1990

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: No. 5422265 han, Kevin E

REGISTRATION NUMBER: 35,303

REFERENCE/DOCKET NUMBER: 90,1092

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-715-1000

TELEFAX: 312-715-1234

TELEX: 810-221-8117

SEQUENCE CHARACTERISTICS:

LENGTH: 446 amino acids

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: NO

US-07-626-618A-21

Query Match 24.1%; Score 552.5; DB 1; Length 446; Best Local Similarity 31.2%; Pred. No. 4.3e-34; Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13

Qy 5 PGFTANSTPA-WGAGP--PSAAGPSSG--WVAALCVVIALTAANSLIALCTQ 54

Db 3 PWFHRNGSLALWSADPTPSAANTSGPGVPAALAGALLALATAGNLLIVITART 62

Qy 55 PALRNTSNFLFLSFLTSFLIMVGLVNMPPAMLNLYGPKWVLARGLCLWTAEDVMCSSAI 114

Db 63 PR1QITIVFVTSAAALVVGQVMPGATLTHPLGETGCEWTSVQVCTASI 122

Qy 115 LNCLISDRYLLILSPRLRYKLMTPLRALVIGANSIAAALASEPLILLGHELG--- 170

Query Match 24.1%; Score 552.5; DB 1; Length 400; Best Local Similarity 31.2%; Pred. No. 3.9e-34; Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGFTANSTPA-WGAGP--PSAAGPSSG--WVAALCVVIALTAANSLIALCTQ 54

Db 3 PWFHRNGSLALWSADPTPSAANTSGPGVPAALAGALLALATAGNLLIVITART 62

Qy 21 SAGGGGGWV-----AAALCVVIALTAANSLIALCTQALRN-TSNFLVLSL 68

Db 7 SAMDGQGLVYVERDFSYRILPCTACEYLISLILGTLVCAVIRHLRKVYNT 66

Qy 69 FTSDLNGVGLVNMPPAMLNLYGPKWVLARGLCLWTAEDVMCSSAI 114

Db 67 AVSDLLVAVLVMPPKAVAEAGPWWFG-SFCNIVWAFDINGCSTASLNLCVSYRYWAI 125

RESULT 11
 US-08-333-977-21
 ; Sequence 21, Application US/083333977
 ; Patent No. 5594108
 ; GENERAL INFORMATION:
 ; ADDRESSEE: Allegretti & Witcoff, Ltd.
 ; STREET: 10 South Wacker Drive, Suite 3000
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/333,977
 ; FILING DATE: 03-NOV-1994
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/626,618
 ; FILING DATE: 7 DEC 1990
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 5594108mar, Kevin E
 ; REGISTRATION NUMBER: 35,303
 ; REFERENCE/DOCKET NUMBER: 90,1092
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312-715-1000
 ; TELEFAX: 312-715-134
 ; TELLEX: 810-221-8317
 ; INFORMATION FOR SEQ ID NO: 21:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 446 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO
 ; US-08-333-977-21

Query Match 24.1% Score 552.5; DB 1; Length 446;
 Best Local Similarity 31.2%; Pred. No. 4.3e-34;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

QY 129 LSPLRJKLRTPLRLALVLGAWSLAALASFPLILLGMLGHARPPVPG----- 178
 DB 126 SSFPRERKOTPKAFTLISVANTISVLSIPIVOSWIK---AKPTSSDGNATSLAET 182
 QY 179 --QCRLLASLSPVLYASGLTFFLPGAAICPTYCRLLAARKQAVOAVSL-TTGMASQASE 235
 DB 183 IDNCCDSLSRTAISSVISVYIPVAMIMTYTRYRIAQKQIRRAALERAAYHACNQ 242
 QY 236 TLQVPTPVRPGVESADSRRLATKHSKAKLTLGILGMFFYTWLPPFVANIVQAVCD 295
 DB 243 TTGNGSKPKVCEQSPPEESKFKRETKVKR--TISVSVGVECCWLPPEFLNCLPFG 299
 QY 296 -----CISPLFDLWLGYCNSTMNPITYPLNDFKRALGRFLPCR-CPRERQA- 346
 DB 300 SGETQPCIDNTFDFVWFWANSILNPY-ATNADPKAFSTLGLCYRLCPATNNAI 358
 QY 347 -----SASPSPRTSISGPRLSGLQVLPLPLPDSDSAGGGSSRLRITAQLLIP 401
 DB 359 ETVSINNINGAAMPSHHEPRGTSISKECNLVLYLPHAVGSSEDLKEEARGIARPLEKLSP 418
 QY 402 GEATQDPLPRAAAVNFENIDPABEPLR-----HP 434
 DB 419 -----ALSVIDYDIDVSLEKIQPITQNGQHP 445

RESULT 12
 US-07-916-901-6
 ; Sequence 6, Application US/07916901
 ; Patent No. 5364772
 ; GENERAL INFORMATION:
 ; APPLICANT: Granneman, James G.
 ; ADDRESSEE: REISING, ETTINGTON, BARNARD, PERRY &
 ; STREET: 201 W. Big Beaver - Ste. 400; P.O. Box 4390
 ; CITY: Troy
 ; STATE: Michigan
 ; COUNTRY: USA
 ; ZIP: 48093
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/333,977
 ; FILING DATE: 03-NOV-1994
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/626,618
 ; FILING DATE: 7 DEC 1990
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 5594108mar, Kevin E
 ; REGISTRATION NUMBER: 35,303
 ; REFERENCE/DOCKET NUMBER: 90,1092
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312-715-1000
 ; TELEFAX: 312-715-134
 ; TELLEX: 810-221-8317
 ; INFORMATION FOR SEQ ID NO: 21:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 446 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; HYPOTHETICAL: NO

MOLECULE TYPE: protein

US-07-916-901-6

Query Match 24.1%; Score 551.5; DB 1; Length 400;
 Best Local Similarity 35.3%; Pred. No. 4.6e-34;
 Matches 142; Conservative 61; Mismatches 148; Indels 51; Gaps 15;

5 PGPTANSTPA-WGAGP---PSAPGCGG----WVAAALCVVIAL-TAAANSLITALICTQ 54
 3 PWPHRNGSLAWSDAPILDPSAANTSGLPVPWALAGALLATVGNNLVITAIART 62
 Qy 55 PALRNTSNFELVSLFSFTSDLMGLVYMPAMINALYGRWYLARGCLIMTAFDYMCASASI 114
 Db 63 PRLQTINVFVTSILATADLVVLYMPGATLALTGHWPAGTGEBLWTSVDLVCVTAI 122
 Qy 115 INCLLISLDVRLILSLPLRYKLMTPLBLALLVGAWSLAALASPLILLGHHELG--- 170
 Db 123 ETLCALAVDRYLAIVTPLRYCTLVTRARAWVWIVATSVPAPIMSQWWRGADAE 182
 Qy 171 ---HAPPVPVPSQCRLLASLPFVVLVAGLTFPLPSGAICTYCIRILLAARKQAVQVY--- 222
 Db 183 AEQCHSNPRC---CSPASNMVYALISSSVVSPYLVLMFLPVYARVFPVAKQR-RLLRR 238
 Qy 227 TGMASQASETQVPTTPR----GYESADSR--RLATHRSRALKAKLTGILL 274
 Db 239 LGRFPPEESPRSPSPRSRSPATGTPPASDGYPSCGRPARNLPLGEHRAIR--TGLIM 295
 Qy 275 GMFFVTLWLPFFVANIVYQAVC---DCISPGFLFDYLWIGCNSTMNPITY---PLFMRDFKR 329
 Db 296 GFLSLCILPFFLAVNLVRLAVGSPSLVPSGVFTALNWIGYANSAFNPLIYCRSPDFRDAFRR 355
 Qy 330 AL---GRFLPCRC---PREGQASLASPLSR---TSHSGPRP 362
 Db 356 LLCSYGGRGPEERVVTFPASVAVSONSPNRFDGYEGRP 397

RESULT 13

US-07-783-602C-1

Sequence 1, Application US/07783602C
 Patent No.: 5418160

GENERAL INFORMATION:

APPLICANT: J. Craig Venter et al
 TITLE OF INVENTION: A PAT CELL SPECIFIC α -ADRENERGIC
 TITLE OF INVENTION: RECEPTOR
 NUMBER OF SEQUENCES: 1
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Love, Price, LeBlanc & Becker
 STREET: Suite 300, 99 Canal Center Plaza
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: USA
 ZIP: 22314

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: DOS Text File
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/783,602C
 FILING DATE: 19911101
 CLASSIFICATION: 436

ATTORNEY/AGENT INFORMATION:

NAME: J. G. Mullins
 REGISTRATION NUMBER: 33073
 REFERENCE DOCKET NUMBER: 717-09B

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703 684 1111
 INFORMATION FOR SEQ ID NO: 1:

LENGTH: 400

TYPE: AMINO ACID

STRANDEDNESS: single

TOPOLOGY: linear

RESULT 14

US-08-351-473B-4

Sequence 4, Application US/08351473B

Patent No. 5655440

GENERAL INFORMATION:

APPLICANT: LENZEN, GERLINDA
 APPLICANT: KAPOOR, ARCHANA
 TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE
 HAVING BETA-3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
 CITY: ALEXANDRIA
 STATE: VIRGINIA
 COUNTRY: USA
 ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/351,473B
 FILING DATE: 21-FEB-1995
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 93 04670
 FILING DATE: 21-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/FR94/00447
 FILING DATE: 21-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: OBLON, NORMAN F.
 REGISTRATION NUMBER: 24,618
 REFERENCE DOCKET NUMBER: 6639-001-0X PCT
 TELECOMMUNICATION INFORMATION:

GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 7, 2004, 13:20:05 ; Search time 48 Seconds (without alignments)

2544.362 Million cell updates/sec

Title: US-09-826-509-449
Perfect score: 2292
Sequence: 1 MYPBPGPTANSPTPAWGAGPP ENIDPAEPELRPHPLGIPTN 440

Scoring table: BIO3M62

Gape0 10.0 , Gapext 0.5

Searched: 1140673 seqs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
String first 45 summaries

Database : Published Applications AA: *

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2: /cgn2_6/prodata/2/pubpaas/PCT_N_PUB.pep:*

3: /cgn2_6/prodata/2/pubpaas/us06_NEW_PUB.pep:*

4: /cgn2_6/prodata/2/pubpaas/us06_PUBCOMB.pep:*

5: /cgn2_6/prodata/2/pubpaas/PCTOS_PUBCOMB.pep:*

6: /cgn2_6/prodata/2/pubpaas/us08_NEW_PUB.pep:*

7: /cgn2_6/prodata/2/pubpaas/us08_PUBCOMB.pep:*

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11: /cgn2_6/prodata/2/pubpaas/us09_PUBCOMB.pep:*

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22: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

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31: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

32: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

33: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

34: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

35: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

36: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

37: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

38: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

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41: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

42: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

43: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

44: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

45: /cgn2_6/prodata/2/pubpaas/us60__PUBCOMB.pep:*

ALIGNMENTS

RESULT 1
US-09-826-509-449
; Sequence 149, Application US/09826509
; GENERAL INFORMATION:
; APPLICANT: Lehmann-Bruinsma, Karin
; ATTORNEY: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: No. US20030204073A1-Endogenous, Constitutively Activated Known
; TITLE OF INVENTION: No. US20030204073A1-Endogenous, Constitutively Activated Receptors
; FILE REFERENCE: AREN-20749
; CURRENT APPLICATION NUMBER: US/09-826,509
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 60/195,747
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 589
; SEQ ID NO: 449
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-509-449
Query Match 100.0%; Score 2292; DB 11; Length 440;
Best Local Similarity 100.0%; Pred. No. 5.2e-177; Mismatches 0; Indexes 0; Gaps 0;
Matches 440; Conservative 0;
1 MYPBPGPTANSPTAWGAGPPSAPGGSGWVAALCVVIALTAANSLLIICTPALRNT 60
2 MYPBPGPTANSPTAWGAGPPSAPGGSGWVAALCVVIALTAANSLLIICTPALRNT 60
3 MYPBPGPTANSPTAWGAGPPSAPGGSGWVAALCVVIALTAANSLLIICTPALRNT 60
4 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
5 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
6 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
7 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
8 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
9 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
10 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
11 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
12 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
13 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
14 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
15 SNNFLYSLTSFTSDMIVGLVYMPMPAMALYGRWVFLARGCLMTARDMCCSASIANLCLLI 120
QY

Result No. Score Match Length DB ID Description

1 2292 100.0 440 11 US-09-826-509-449 Sequence 449, Appl Sequence 20, Appl Sequence 41, Appl Sequence 8, Appl Sequence 13, Appl Sequence 10, Appl Sequence 50, Appl Sequence 716, Appl Sequence 885, Appl Sequence 9, Appl Sequence 4, Appl Sequence 6, Appl Sequence 98, Appl Sequence 2, Appl Sequence 4, Appl

Db 121 SLDRLILSPRLYKRLMTPRLALALVGLAWSLAAASPTPLLGWHEIGHARPPVPGC 180
 Qy 181 RLLASLPFVLASGLTFLPSGAICTYCRILLAARKQAVQASLTGMAQASETLQVP 240
 Db 181 RLLASLPFVLASGLTFLPSGAICTYCRILLAARKQAVQASLTGMAQASETLQVP 240
 Db 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Qy 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Db 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Db 301 LFDVLTLWLGNCNSTNPIIYPLFMRDFKRALGRFLPCPRCPREHQASLASPLRTSHSGP 360
 Qy 301 LFDVLTLWLGNCNSTNPIIYPLFMRDFKRALGRFLPCPRCPREHQASLASPLRTSHSGP 360
 Db 301 LFDVLTLWLGNCNSTNPIIYPLFMRDFKRALGRFLPCPRCPREHQASLASPLRTSHSGP 360
 361 RPLGLSQQLVPLPDDSDSDAGGGSSGLRITAQLLPGEATQDPPLPRTAAAVNF 420
 Db 361 RPLGLSQQLVPLPDDSDSDAGGGSSGLRITAQLLPGEATQDPPLPRTAAAVNF 420
 Qy 421 FNIDPAEPELRPHPLGIPTN 440
 Db 421 FNIDPAEPELRPHPLGIPTN 440
 Db 421 FNIDPAEPELRPHPLGIPTN 440

RESULT 3
 US-10-145-680-41
 ; Sequence 41, Application US/10345680
 ; Publication No. US2003014839A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; APPLICANT: Silos Santiago, Inmaculada
 ; APPLICANT: Venkateswarlu, Karichet
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
 ; UROLOGICAL DISORDERS USING 145, 559, 34021, 44099, 25278,
 ; TITLE OF INVENTION: 64103, 985, 13237, 13601, 18926, 318, 2058 OR 6351 MOLECULES.
 ; FILE REFERENCE: MPI02-012PIRNM OMNI
 ; CURRENT APPLICATION NUMBER: US710/345,680
 ; CURRENT FILING DATE: 2003-01-16
 ; PRIOR APPLICATION NUMBER: US 60/349,511
 ; PRIOR FILING DATE: 2002-01-18
 ; PRIOR APPLICATION NUMBER: US 60/360,500
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/365,041
 ; PRIOR FILING DATE: 2002-03-15
 ; PRIOR APPLICATION NUMBER: US 60/374,063
 ; PRIOR FILING DATE: 2002-04-19
 ; PRIOR APPLICATION NUMBER: US 60/403,468
 ; PRIOR FILING DATE: 2002-08-14
 ; PRIOR APPLICATION NUMBER: US 60/414,262
 ; PRIOR FILING DATE: 2002-09-27
 ; PRIOR APPLICATION NUMBER: US 60/419,986
 ; PRIOR FILING DATE: 2002-10-21
 ; PRIOR APPLICATION NUMBER: US 60/423,809
 ; PRIOR FILING DATE: 2002-11-15
 ; PRIOR APPLICATION NUMBER: US 60/429,797
 ; PRIOR FILING DATE: 2002-11-26
 ; NUMBER OF SEQ ID NOS: 66
 ; SOFTWARE: FastSEQ for windows Version 4.0
 ; SEQ ID NO: 41
 ; LENGTH: 440
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-225-567A-20

Query Match 99.8%; Score 2287; DB 14; Length 440;
 Best Local Similarity 99.8%; Pred. No. 1..3e-176;
 Matches 439; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MVEPEPGTANSTPAWGAAGPPSAPGGSGWVAALCVVIALTAANSLILIAJCTQPLAIRT 60
 Db 1 MVEPEPGTANSTPAWGAAGPPSAPGGSGWVAALCVVIALTAANSLILIAJCTQPLAIRT 60
 Db 61 SNNFLVSLFTSDLMVGLVYMPAMLNLYGRWVLAAPVMMCCSASILNLCLJ 120
 Qy 61 SNNFLVSLFTSDLMVGLVYMPAMLNLYGRWVLAAPVMMCCSASILNLCLJ 120
 Db 61 SNNFLVSLFTSDLMVGLVYMPAMLNLYGRWVLAAPVMMCCSASILNLCLJ 120
 Qy 121 SLDRLILSPRLYKRLMTPRLALALVGLAWSLAAASPTPLLGWHEIGHARPPVPGC 180
 Db 121 SLDRLILSPRLYKRLMTPRLALALVGLAWSLAAASPTPLLGWHEIGHARPPVPGC 180
 Qy 181 RLLASLPFVLASGLTFLPSGAICTYCRILLAARKQAVQASLTGMAQASETLQVP 240
 Db 181 RLLASLPFVLASGLTFLPSGAICTYCRILLAARKQAVQASLTGMAQASETLQVP 240
 Qy 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Db 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Qy 301 LFDVLTLWLGNCNSTNPIIYPLFMRDFKRALGRFLPCPRCPREHQASLASPLRTSHSGP 360

Db 301 LFDVLTLWLGNCNSTNPIIYPLFMRDFKRALGRFLPCPRCPREHQASLASPLRTSHSGP 360
 Qy 361 RPLGLSQQLVPLPDDSDSDAGGGSSGLRITAQLLPGEATQDPPLPRTAAAVNF 420
 Db 361 RPLGLSQQLVPLPDDSDSDAGGGSSGLRITAQLLPGEATQDPPLPRTAAAVNF 420
 Qy 421 FNIDPAEPELRPHPLGIPTN 440
 Db 421 FNIDPAEPELRPHPLGIPTN 440
 Qy 421 FNIDPAEPELRPHPLGIPTN 440

Query Match 99.8%; Score 2287; DB 14; Length 440;
 Best Local Similarity 99.8%; Pred. No. 1..3e-176;
 Matches 439; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MVEPEPGTANSTPAWGAAGPPSAPGGSGWVAALCVVIALTAANSLILIAJCTQPLAIRT 60
 Db 1 MVEPEPGTANSTPAWGAAGPPSAPGGSGWVAALCVVIALTAANSLILIAJCTQPLAIRT 60
 Qy 61 SNNFLVSLFTSDLMVGLVYMPAMLNLYGRWVLAAPVMMCCSASILNLCLJ 120
 Db 61 SNNFLVSLFTSDLMVGLVYMPAMLNLYGRWVLAAPVMMCCSASILNLCLJ 120
 Qy 121 SLDRLILSPRLYKRLMTPRLALALVGLAWSLAAASPTPLLGWHEIGHARPPVPGC 180
 Db 121 SLDRLILSPRLYKRLMTPRLALALVGLAWSLAAASPTPLLGWHEIGHARPPVPGC 180
 Qy 181 RLLASLPFVLASGLTFLPSGAICTYCRILLAARKQAVQASLTGMAQASETLQVP 240
 Db 181 RLLASLPFVLASGLTFLPSGAICTYCRILLAARKQAVQASLTGMAQASETLQVP 240
 Qy 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Db 241 RTPRPGVESADSRRLAKKAKLTLGILGMFFTWLPPFFVANTVQAVCDICISPG 300
 Qy 301 LFDVLTLWLGNCNSTNPIIYPLFMRDFKRALGRFLPCPRCPREHQASLASPLRTSHSGP 360

Db 241 RTPRPEVESADSRRLATKHSRKLAASLITLGLIIGMFYTWLPPFVANIVQAVCDCISPG 300
 Qy 301 LFDVLTWLGICNSTMPITIYPLFWRDKEPALGRFLPCPCPREFQASLASPRLTSHSGP 360
 ; Patent No. US20020091235A1
 Db 301 LFDVLTWLGICNSTMPITIYPLFWRDKEPALGRFLPCPCPREFQASLASPRLTSHSGP 360
 Qy 361 RPLGLSIQQVLPPLPDPDSDDAGSGSSGLRITAQLLPLGEATQDPLPLPTAAANVF 420
 Db 361 RPLGLSIQQVLPPLPDPDSDDAGSGSSGLRITAQLLPLGEATQDPLPLPTAAANVF 420
 Qy 421 FNIDPEPELRPHPLGIPTN 440
 Db 421 FNIDPEPELRPHPLGIPTN 440

RESULT 4
 US-09-829-631A-8
 ; Patent No. US20020091235A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sibley, David R.
 ; APPLICANT: Hamblin, Mark
 ; TITLE OF INVENTION: The ST-B17 Serotonin Receptor
 ; FILE REFERENCE: NIH047.1.CP1C1
 ; CURRENT APPLICATION NUMBER: US/09/829,631A
 ; CURRENT FILING DATE: 2001-04-10
 ; PRIOR APPLICATION NUMBER: US 08/428,242
 ; PRIOR FILING DATE: 1995-09-18
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 8
 ; LENGTH: 439
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: (1)..(439)
 ; OTHER INFORMATION: Xaa = Any Amino Acid
 US-09-829-631A-13

Query Match 77.2%; Score 1768.5; DB 9; Length 439;
 Best Local Similarity 77.8%; Pred. No. 1.e-134;
 Matches 356; Conservative 8; Mismatches 56; Indels 39; Gaps 4;

Qy 1 MVPEPGPTANSTPAWGAGPSSAPGGSGWAAALCYVIALTAANSLIALICTQPLRNT 60
 Db 1 MVPEPGPTANSTPAWGAGARXX-GGGWVAAGLCVITALTAANSLIALICTQPLRNT 59
 Qy 61 SNFELVSLFTSDMVLGVVMPFAMINALYGRWVLARGLCILWTFDYMCCSASTLNCL 120
 Db 60 SNFELVSLFTSDMVLGVVMPFAMINALYGRWVLARGLCILWTFDYMCCSASTLNCL 119
 Qy 121 SLDRYLILSPRYKLRMTPLRALVAGNSLAAASLPLLGWHELGHARPPVGQC 180
 Db 120 SLDRYLILSPRYKLRMTPLRALVAGNSLAAASLPLLGWHELGHARPPVGQC 179
 Qy 181 RLIASLPFLVYLASGLTFPLSGAICPTYCRILARKQAVQASLTGMASQASETLQVP 240
 Db * 180 RLIASLPFLVYLASGLTFPLSGAICPTYCRILARKQAVQASLTGMASQASETLQVP 239
 Qy 61 SNFELVSLFTSDMVLGVVMPFAMINALYGRWVLARGLCILWTFDYMCCSASTLNCL 120
 Db 61 SNFELVSLFTSDMVLGVVMPFAMINALYGRWVLARGLCILWTFDYMCCSASTLNCL 120
 Qy 121 SLDRYLILSPRYKLRMTPLRALVAGNSLAAASLPLLGWHELGHARPPVGQC 180
 Db 121 SLDRYLILSPRYKLRMTPLRALVAGNSLAAASLPLLGWHELGHARPPVGQC 180
 Qy 181 RLIASLPFLVYLASGLTFPLSGAICPTYCRILARKQAVQASLTGMASQASETLQVP 240
 Db 181 RLIASLPFLVYLASGLTFPLSGAICPTYCRILARKQAVQASLTGMASQASETLQVP 240
 Qy 241 RTPRPGTVEASDRRLATKHSRKLAASLPLLGWHELGHARPPVGQC 300
 Db 241 RTPRPGTVEASDRRLATKHSRKLAASLPLLGWHELGHARPPVGQC 300
 Qy 301 LFDVLTWLGICNSTMPITIYPLFWRDKEPALGRFLPCPCPREFQASLASPPL---RT 355
 Db 301 LFDVLTWLGICNSTMPITIYPLFWRDKEPALGRFLPCPCPREFQASLASPPL---RT 356
 Qy 356 SHSGPRLGLSQQVLPPLPDSDDAGSGSSGLRITAQLLPLGEATQDPLPLPTRA 415
 ; Sequence 10 Application US/09829631A;
 Db 357 QRCQTRP---QQQVLLPLPNSDS---ASGGTSGLQTLAQLLGEATRDPDPRTR 412
 Qy 416 AAVNFMIDPEPELRPHPLGIPTN 440
 Db 413 TVVNFFVTDVSVEPEIRPHPLSSPVN 437

RESULT 6
 US-09-829-631A-10
 ; Sequence 10 Application US/09829631A;
 ; Patent No. US20020091235A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sibley, David R.
 ; APPLICANT: Monsma, Frederick J.
 ; APPLICANT: Hamblin, Mark

; TITLE OF INVENTION: The ST-B17 Serotonin Receptor
; FILE REFERENCE: NIH047.1ICP.C1
; CURRENT APPLICATION NUMBER: US/09/829, 631A
; CURRENT FILING DATE: 2001-04-10
; PRIORITY APPLICATION NUMBER: US 08/428, 242
; PRIOR FILING DATE: 1998-09-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 291
; TYPE: PRT
; ORGANISM: Rat
; US-09-829-631A-10

Query Match 60.5%; Score 1387; DB 9; Length 291;
 Best Local Similarity 92.8%; Pred. No. 5.1e-104;
 Matches 270; Conservative 5; Mismatches 16; Indels 0; Gaps 0;

Qy 1 MVEPEPQTANSTPAWAGGPPSAPGGGWWAAALCYVIALTAANSLIACTOPALRNT 60
 Db 1 MVEPEPBPVNSSTPAWGPSSTPAWGPSSPPAPGGGGWWAAALCYVIALTAANSLIVCTOPARNT 60

Qy 61 SNNFLSLTSPLMVGIVVMPAMINALYGRWVLAARGLCLLWTADFVMCCSASTLNCLL 120
 Db 61 SNNFLSLTSPLMVGIVVMPAMINALYGRWVLAARGLCLLWTADFVMCCSASTLNCLL 120

Qy 121 SLDRLYLSPRLSPRYKURMTPLRLALYLGAWSLAALASPLPLLGWHELGHARPPGQC 180
 Db 121 SLDRLYLSPRLSPRYKURMTPLRLALYLGAWSLAALASPLPLLGWHELGKARTPAGQC 180

Qy 181 RLLASPLPEVYASGLTFPLPSGAICTYCRLLAARKQAVQASLTGMASQSETLQYP 240
 Db 181 RLLASPLPEVYASGLTFPLPSGAICTYCRLLAARKQAVQASLTGPAQAEETLQYP 240

Qy 241 RTPRPGTEASDRRLATKHSKALKLIGLILMFVTVLPPFPEVANIVQ 291
 Db 241 RTPRPGTEASDRRLATKHSKALKLIGLILMFVTVLPPFPEVANIAQ 291

RESULT 7
 US-10-225-567A-50
 ; Sequence 50, Application US/10225567A
 ; Publication No. US2003011378A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lifespan Biosciences
 ; APPLICANT: Brown, Joseph P.
 ; APPLICANT: Roush, Christine L.
 ; APPLICANT: Burner, Glenna C.
 ; FILE REFERENCE: 1920-4-4
 ; CURRENT APPLICATION NUMBER: US/10/225, 567A
 ; PRIOR APPLICATION NUMBER: 60/12-19
 ; PRIOR FILING DATE: 2000-12-19
 ; NUMBER OF SEQ ID NOS: 2292
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 50
 ; LENGTH: 477
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-225-567A-50

Query Match 24.2%; Score 557; DB 14; Length 477;
 Best Local Similarity 33.8%; Pred. No. 1.3e-36;
 Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

Qy 1 MVEPEPQTANSTPAWAGGPPSAPGGGWWAAALCYVIALTAANSLIACTOPALRNT 60
 Db 33 LVPASSPLSPASSPEPSSQWTAAGMLMILVIVAGNVLVIAAKTPRLQI 92

Qy 61 SNNFLSLTSPLMVGIVVMPAMINALYGRWVLAARGLCLLWTADFVMCCSASTLNCLL 120
 Db 93 TNLFMNLASADLVMGIVVMPAMINALYGRWVLAARGLCLLWTADFVMCCSASTLNCLL 152

Qy 121 SLDRLYLSPRLSPRYKURMTPLRLALYLGAWSLAALASPLPLLGWHELGHARPPV-- 176
 Db 153 ALDRLALITSPLPFYQSLTRARGLVCTWASLVSFPLMHWRAESDEARCYND 212
 Qy 177 PGCCRLLASLSPFLVAVASGLTFPLPSGAICTYCRLLAARKQAVQAS---LITGMASQ 232
 Db 213 PKCQDFVTRNAYAIASSVVSPVPLCIMAFYLVFVREAQQVKIDSERRFLGPARP 272
 Qy 233 ASTT-----LQVPRPRPGTEASD-----ERLATRHSRALKLKLIGL 273
 Db 273 PSPPSPVPPAPAPPGPSPRPAAAATAAPLANGRAKGRPSRLVAREQKALK-----TLGII 329

Qy 274 LGIFFFVWLPLPFVAVYQAV-CDCTSPGLPFDLVWYCNSTMNPVY--PLFWRDFKR 329
 Db 330 MGUTFLWLPPLAIVYKTFIRELVDRLTVFENWYQYANSAFNPVYCRSP-----DFRK 385

Qy 330 ALGRFLPQPCPRERQASLASPSLRTSHSGPRGIUSLQQVLPPLI-PDSDSDDAGSGG 388
 Db 386 AFGLLCCARRARRHATHGDRPASGCLARP-----PPSPFGAADDDDDDVVGA 438

Qy 389 SSGRL 394
 Db 439 TPPARL 444

RESULT 8
 US-10-295-027-716
 ; Sequence 716, Application US/10295-027
 ; Publication No. US20030232350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Aziz, Natasja
 ; APPLICANT: Ginsberg, Wendy M.
 ; APPLICANT: Gish, Kurt C.
 ; APPLICANT: Glynn, Richard
 ; APPLICANT: Hevezsi, Peter A.
 ; APPLICANT: Mack, David H.
 ; APPLICANT: Murray, Richard
 ; APPLICANT: Watson, Susan R.
 ; APPLICANT: Eos Biotechnology, Inc.
 ; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 ; Methods of Screening for Modulators of Cancer
 ; FILE REFERENCE: 018501-012500US
 ; CURRENT APPLICATION NUMBER: US/10/295,027
 ; PRIORITY FILING DATE: 2002-11-13
 ; PRIORITY APPLICATION NUMBER: US/09/663,733
 ; PRIORITY FILING DATE: 2000-09-15
 ; PRIORITY APPLICATION NUMBER: US/60/350,666
 ; PRIORITY FILING DATE: 2001-11-13
 ; PRIORITY APPLICATION NUMBER: US/60/335,394
 ; PRIORITY FILING DATE: 2001-11-15
 ; PRIORITY APPLICATION NUMBER: US/60/332,464
 ; PRIORITY FILING DATE: 2001-11-21
 ; PRIORITY APPLICATION NUMBER: US/60/334,393
 ; PRIORITY FILING DATE: 2001-11-29
 ; PRIORITY APPLICATION NUMBER: US/60/340,376
 ; PRIORITY FILING DATE: 2001-12-14
 ; PRIORITY APPLICATION NUMBER: US/60/347,211
 ; PRIORITY FILING DATE: 2002-01-08
 ; PRIORITY APPLICATION NUMBER: US/60/347,349
 ; PRIORITY FILING DATE: 2002-01-10
 ; PRIORITY APPLICATION NUMBER: US/60/355,250
 ; PRIORITY FILING DATE: 2002-02-08
 ; PRIORITY APPLICATION NUMBER: US/60/356,714
 ; PRIORITY FILING DATE: 2002-02-13
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 1386
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 716
 ; LENGTH: 477
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-295-027-716

Query Match 24.3%; Score 557; DB 15; Length 477;

Best Local Similarity 33.8%; Pred. No. 1.3e-36; Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

Qy 1 MYPPEGPATNSPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60
Db 33 LYFASPPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

Qy 61 SNNFLVSLFSTDLMVGLVMPMPAMLNLYGRMVLAARGCLLWTAFYDYMCCSASTILNCL 120

Db 93 TNLFIMSLASADLVMGLIVVPGATIVWGRPEYGSFFCEWTSVYLCVIASTELCVI 152

Qy 121 SUJRYLLILSPRYKLMTPFLALALVGLASFLDILLGW -HELGHARPV-- 176

Db 153 ALRYYLATSPPRFYQSLTTRARGLCTWVAISAVSFLPMLHWRAESDEARCYND 212

Qy 177 PGQCRLLASLSPFLVVASGLTFFLPGSAICIFTYCRILLAARKOAVQVAS---LITGMASQ 232

Db 213 PKCCDFTNRAYAASSVVSFTVPLCIMAFYFLRPREAQCVKKIDSCCRFLGCPARP 272

Qy 233 ASET-----LOVPRTPRPGYESADS-----RRLATKESRKALKAKUTLGL 273

Db 273 PSPSPSPVPAAPPGPGRPRAAAATPLANGRAGKRPSPRLVALREBQALK---TLGII 329

Qy 274 LGMFPTWLPFWVANIVQAV-CDC1SGLFDVLTWLGNCSTMNPITY---PLFNRDFKR 329

Db 330 MGYFTLWLPFWVANIVQAV-CDC1SGLFDVLTWLGNCSTMNPITY---PLFNRDFKR 385

Qy 330 ALGRFLPFCPRPRQASLSPSLRTHSGPRGLSLQQVNLPLPLP-PDSPSDSDAQS 388

Db 386 AFQGLLCCARRAARRHATHGDRPASGCLARP-----PPPSGAASDDDDVVGA 438

Qy 389 SSGIIRL 394

Db 439 TPPARL 444

RESULT 9

US-10-295-027-885

; Sequence 885, Application US/10295027
; Publication No. US20030232350A1

; GENERAL INFORMATION:

; APPLICANT: Afar, Daniel

; APPLICANT: Ariz, Natasha

; APPLICANT: Ginsberg, Wendy M.

; APPLICANT: Gish, Kurt C.

; APPLICANT: Glynn, Richard

; APPLICANT: Hevizi, Peter A.

; APPLICANT: Mack, David H.

; APPLICANT: Murray, Richard

; APPLICANT: Watson, Susan R.

; APPLICANT: Bos Biotechnology, Inc.

; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and CURRENT APPLICATION NUMBER: US/10/295,027

; FILE REFERENCE: 015051-0500US CURRENT FILING DATE: 2002-11-13

; PRIOR APPLICATION NUMBER: US 09/663,733

; PRIOR FILING DATE: 2000-09-15

; PRIOR APPLICATION NUMBER: US 60/350,666

; PRIOR FILING DATE: 2001-11-13

; PRIOR APPLICATION NUMBER: US 60/335,394

; PRIOR FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: US 60/332,464

; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: US 60/334,393

; PRIOR FILING DATE: 2001-11-29

; PRIOR APPLICATION NUMBER: US 60/340,376

; PRIOR FILING DATE: 2001-12-14

; PRIOR APPLICATION NUMBER: US 60/347,211

; PRIOR FILING DATE: 2002-01-08

; PRIOR APPLICATION NUMBER: US 60/347,349

; PRIOR FILING DATE: 2002-01-10

; PRIOR APPLICATION NUMBER: US 60/355,250

; PRIOR FILING DATE: 2002-02-08

; PRIOR APPLICATION NUMBER: US 60/356,714

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1386

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 885

; LENGTH: 477

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-295-027-885

; Query Match 24.3%; Score 557; DB 15; Length 477;

; Best Local Similarity 33.8%; Prod. No. 1.3e-36;

; Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

; Query 1 MYPPEGPATNSTPAWGAGPPSAGGSRVAAACVVIATTAANSSILIALICTOPALRNT 60

; Db 33 LVPPSPASLIPASESPEPLSQWTAGMGLMALLIVLIVAGTVIAKTRQLT 92

APPLICATION NUMBER: US/09/988,745
 FILING DATE: 20-Nov-2001
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/314,006
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: STEEFE, ERIC K.
 REGISTRATION NUMBER: 36,658
 REFERENCE/DOCKET NUMBER: 1488.0840001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 365 amino acids
 TYPE: amino acid
 STRANDEDNESS: Not Relevant
 TOPOLOGY: Not Relevant
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 US-09-988-745-9

Query Match 24.1%; Score 553.5; DB 12; Length 365;
 Best Local Similarity 37.8%; Pred. No. 1.8e-36;
 Matches 137; Conservative 56; Mismatches 134; Indels 35; Gaps 12;

Qy 7 PTANSTAWGAGPPSAPGGSGWVAA---ALCVIALTAAANSLLIALICTQPALRNTSNF 63
 Db 9 PPSLILPASEG--SAPLSQONTAGNGLLVALVILVVAIATPRQLQTLNL 66

Qy 64 FLYSLFISDLMYGLVNPMPAMLNALYGRWVLRGLLWTAIDYNCSCASILNCLISID 123
 Db 67 FIMSLASADLYGLLVPFGATIVNGRWEYGSFFEBLTSVDVLCTVASTETCIALD 126

Qy 124 RYLLILPLRYKLRMTPRLALVQGWSLALASLPLLGW--HELGHARPPV--PGQ 179
 Db 127 RYLAATSPFRYQSLLTTARARALVCTWAISALVSPILMHNWAEAESDARRCYNDPKC 186

Qy 180 CRILLASLPPFLVAVSGLTFPLPSGAICTYCRILLARKQAVQVAS---LTTGMASQAS- 234
 Db 187 CDFVTRAYAATSSVVFYVPLCIMAFVYLRVREEQKQVKIDSERRFLGGPARPPSP 246

Qy 235 ETLQVPPTRPGVEASDR-----RLATHRSKRLAKAKLTGILGMFVTWLPFFVA 287
 Db 247 EFPSPGPBPRAFPDSLANGRSSLKRPSLVALREQKALK---TGTIMGVFTLCWLPFLA 303

Qy 288 NTVOAV-CDC1PGLFVYLTVLWGYCSTMNPITY--PLFWNRDFGRALGFPLCPR---C 340
 Db 304 NTVKAFHRDLVPPDRLFVFFNWLGYANSAFNPVYCRSP---DFRAFQRLCCARRAAC 359

Qy 341 PR 342
 Db 360 RR 361

RESULT 11
 US-09-95-211-4
 ; Sequence 4, Application US/09895211
 ; Patent No. US2002012763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hunton and Williams
 ; INVENTION: Emorine, Laurent
 ; TITLE OF INVENTION: INTRON/EXON STRUCTURE OF THE HUMAN AND MOUSE BETA3 ADRENERGIC REC
 ; TITLE OF INVENTION: GENES
 ; FILE REFERENCE: 58769.00011
 ; CURRENT APPLICATION NUMBER: US/09/895,211
 ; CURRENT FILING DATE: 2001-07-02
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-895-211-6

Query Match 24.1%; Score 552.5; DB 9; Length 400;
 Best Local Similarity 35.1%; Pred. No. 2.4e-36;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGFTANSTPA-WGAGP--PSAAGGSG---WVAALCIVYL-TAANSLILALICTQ 54
 Db 3 PWHRNGSLALWSDAPLDSANTSGLPGVWAAAGALLALATGGNLLVVIART 62

Qy 55 PALRNTSNFLYSLFSDLMYGLVNPMPAMLNALYGRWVLRGLLWTAIDYNCSCASIL 114
 Db 63 PRQQTINVFVTSAAADLVVGLVNPMPGATLALGHWPLGETGCEWTSVVLCTASI 122

Qy 115 LNCLISIDRYLILPLRYKLRMTPRLALVQGWSLALASLPLLGWHELG--- 170
 Db 123 ETLCALAVDRYLAFTVNPRLYGTWVTRARAVLVWIVSAAVSPIMSONWRVGADAE 184
 Qy 171 ---HARPPVPGCRLIASLPPFLVAVSGLTFPLPSGAICTYCRILLARKQAVQASLT 226
 Db 183 AQECHSNPBC--CSFASNMPPYALLSSSVFPLPLWMLFTYARVEVVARQR-HILRRE 238

RESULT 12
 US-09-895-211-6
 ; Sequence 6, Application US/09895211
 ; GENERAL INFORMATION:
 ; APPLICANT: Hunton and Williams
 ; INVENTION: Emorine, Laurent
 ; TITLE OF INVENTION: GENES
 ; FILE REFERENCE: 58769.00011
 ; CURRENT APPLICATION NUMBER: US/09/895,211
 ; CURRENT FILING DATE: 2001-07-02
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 6
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-895-211-6

Query Match 24.1%; Score 552.5; DB 9; Length 400;
 Best Local Similarity 35.1%; Pred. No. 2.4e-36;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGFTANSTPA-WGAGP--PSAAGGSG---WVAALCIVYL-TAANSLILALICTQ 54
 Db 3 PWHRNGSLALWSDAPLDSANTSGLPGVWAAAGALLALATGGNLLVVIART 62

Qy 55 PALRNTSNFLYSLFSDLMYGLVNPMPAMLNALYGRWVLRGLLWTAIDYNCSCASIL 114
 Db 63 PRQQTINVFVTSAAADLVVGLVNPMPGATLALGHWPLGETGCEWTSVVLCTASI 122

Qy 115 LNCLISIDRYLILPLRYKLRMTPRLALVQGWSLALASLPLLGWHELG--- 170
 Db 123 ETLCALAVDRYLAFTVNPRLYGTWVTRARAVLVWIVSAAVSPIMSONWRVGADAE 184
 Qy 171 ---HARPPVPGCRLIASLPPFLVAVSGLTFPLPSGAICTYCRILLARKQAVQASLT 226

183 AQECHSNPRC--CSFASNNPYALISSSSYFSPYLPLVMLFVYARFVVAKRQR-HLRRS 238
 227 TGMQAQSESTLQVPRTPRP-----GVEASDR--PLATEKSRKALKAKUTLGILL 274
 239 1GFRSEPESSPSPSPSPATGGTPAAPDGVPPCGRPPLPFEHRLR--TIGLM 295
 275 GMFFFTWLPPFVANTIVQAVC--DC1SPGLFDVLTMIGCNSTMPIIY--PLEMNRDFCR 329
 296 GIPSLCWLPFLANVLRALAGPSLVPSGVFTALNLGYANSAFNEVYCRSPDFRDAFRR 355
 330 AL---GFLPCPRC--PREROASLASPLR--TSHSGPRP 362
 336 LLCSYGRGPBEPRAVTFPASPVEARQSPPLNRFDGYEGARP 397

RESULT 13
 US-10-225-567A-98
 Sequence 98, Application US/10225567A
 Publication No. US20030113798A1
 GENERAL INFORMATION:
 APPLICANT: Lifespan Biosciences
 BROWN, Joseph P.
 BURNER, Glenna C.
 APPLICANT: Roush, Christine L.
 FILE REFERENCE: 1920-4-4
 CURRENT APPLICATION NUMBER: US/10/225,567A
 PRIORITY FILING DATE: 2001-12-19
 PRIORITY NUMBER: 60/257,144
 PRIORITY DATE: 2000-12-19
 NUMBER OF SEQ ID NOS: 2292
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 98
 LENGTH: 446
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-225-567A-98

Query Match 24.1%; Score 552.5; DB 14; Length 446;
 Best Local Similarity 31.2%; Pred. No. 2.8e-36;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAPGGSQWV-----AAALCIVTAATTAANSLLALICTOPALRN-TSNNFLVSL 68
 Db 7 SAMDGTLGLVVERDFSVRILACFSLLITLGLNLCAVIRPHLRSKVTFVVISL 66

Qy 69 FTSDLMVGIVYMPAMNLYGRWTLARGCLLNTAEDYMCASASILNCLSDRYLI 128
 Db 67 AVSDLIVATLVMPPKAVAEIAGFWPFG-SFCNTWAFDNCSTASILNCLCVSDRYWAI 125

Query Match 24.1%; Score 552.5; DB 14; Length 446;
 Best Local Similarity 31.2%; Pred. No. 2.8e-36;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAPGGSQWV-----AAALCIVTAATTAANSLLALICTOPALRN-TSNNFLVSL 68
 Db 7 SAMDGTLGLVVERDFSVRILACFSLLITLGLNLCAVIRPHLRSKVTFVVISL 66

Qy 69 FTSDLMVGIVYMPAMNLYGRWTLARGCLLNTAEDYMCASASILNCLSDRYLI 128
 Db 67 AVSDLIVATLVMPPKAVAEIAGFWPFG-SFCNTWAFDNCSTASILNCLCVSDRYWAI 125

Qy 129 LSPRLYKLMTPPLRALALVIGAWSLAALASPLPLLGHARPPVPS-----
 Db 126 SSPFREYERKONTPKAFLISVAVTLSVLSFIPVQLSNHK--AKPTPSDGNATSLAET 182

Qy 179 --QCRLLASLDFPVIVASGLTFLPSGAICTYCRILLAARKQAVASYL-TTGNMASQASE 235
 Db 183 IDNCDSLSSRTYAISSSVIVSPYIVAYIMMITYTRYRIAKQTRRIAAERAAYAKNCQ 242

Qy 236 TLQVPRTPRGVEASDRSLRLLATKHSRKALKAKUTLGILLGMFFFTWLPFFVANTYQAVCD 295
 Db 243 TTGNGKPVECQSPFSSFMSFREKTVK--TISVINGFVCCWLPPFLNCLLPFCG 299

Qy 296 -----CISPGLEPDVLTWLGNCSTMPIIYPLFMRDPKRALGRFLPGR-CPRERQA- 346
 Db 300 SGETQFCIDSNTFPEVWFGWANSLNPY-AFNADFRKAFLSTLGCVRLCPATNNAI 358

Qy 347 -----SLAFLSLRTHSGSRGGLSQQVFLPLPDSDFSDSAGSGSSGQLRILTAQILLP 401
 Db 359 ETVSINNNGAMFSSHHPRGTSKSEKCNLVYLPHAVGSSEDLKEEAGIARPIEKLSP 418

Qy 402 GEATDPPPLTRAANAVNNFDNPPEPELRP-----HP 434
 Db 419 -----ALSVILYDTDVSYLEXKIQPMTQNQHP 445

RESULT 15
 US-10-299-642-4
 Sequence 4, Application US/102995642
 Publication No. US20030170741A1
 GENERAL INFORMATION:
 APPLICANT: The Procter & Gamble Company
 APPLICANT: Isfort, Robert
 APPLICANT: Sheldon, Russell
 APPLICANT: Methods for Identifying Compounds for Regulating Muscule Receptors
 TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscule Receptors
 CURRENT APPLICATION NUMBER: US/10/299,642
 CURRENT FILING DATE: 2003-10-09
 CURRENT PRIORITY NUMBER: 60/349,620
 PRIORITY FILING DATE: 2002-07-01
 NUMBER OF SEQ ID NOS: 32
 SEQ ID NO: 2
 SOFTWARE: PatentIn version 3.1
 LENGTH: 446
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-299-642-2

Query Match 24.1%; Score 552.5; DB 14; Length 446;
 Best Local Similarity 31.2%; Pred. No. 2.8e-36;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAPGGSQWV-----AAALCIVTAATTAANSLLALICTOPALRN-TSNNFLVSL 68
 Db 7 SAMDGTLGLVVERDFSVRILACFSLLITLGLNLCAVIRPHLRSKVTFVVISL 66

Qy 69 FTSDLMVGIVYMPAMNLYGRWTLARGCLLNTAEDYMCASASILNCLSDRYLI 128
 Db 67 AVSDLIVATLVMPPKAVAEIAGFWPFG-SFCNTWAFDNCSTASILNCLCVSDRYWAI 125

Qy 129 LSPRLYKLMTPPLRALALVIGAWSLAALASPLPLLGHARPPVPS-----
 Db 126 SSPFREYERKONTPKAFLISVAVTLSVLSFIPVQLSNHK--AKPTPSDGNATSLAET 182

Qy 179 --QCRLLASLDFPVIVASGLTFLPSGAICTYCRILLAARKQAVASYL-TTGNMASQASE 235
 Db 183 IDNCDSLSSRTYAISSSVIVSPYIVAYIMMITYTRYRIAKQTRRIAAERAAYAKNCQ 242

Qy 236 TLQVPRTPRGVEASDRSLRLLATKHSRKALKAKUTLGILLGMFFFTWLPFFVANTYQAVCD 295
 Db 243 TTGNGKPVECQSPFSSFMSFREKTVK--TISVINGFVCCWLPPFLNCLLPFCG 299

Qy 296 -----CISPGLEPDVLTWLGNCSTMPIIYPLFMRDPKRALGRFLPGR-CPRERQA- 346
 Db 300 SGETQFCIDSNTFPEVWFGWANSLNPY-AFNADFRKAFLSTLGCVRLCPATNNAI 358

Qy 347 -----SLAFLSLRTHSGSRGGLSQQVFLPLPDSDFSDSAGSGSSGQLRILTAQILLP 401
 Db 359 ETVSINNNGAMFSSHHPRGTSKSEKCNLVYLPHAVGSSEDLKEEAGIARPIEKLSP 418

Qy 402 GEATDPPPLTRAANAVNNFDNPPEPELRP-----HP 434
 Db 419 -----ALSVILYDTDVSYLEXKIQPMTQNQHP 445

RESULT 16
 US-10-299-642-4
 Sequence 4, Application US/102995642
 Publication No. US20030170741A1
 GENERAL INFORMATION:
 APPLICANT: The Procter & Gamble Company
 APPLICANT: Isfort, Robert
 APPLICANT: Sheldon, Russell
 APPLICANT: Methods for Identifying Compounds for Regulating Muscule Receptors
 TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscule Receptors

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; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIORITY NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 4
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-239-642-4

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Query Match 24.1%; Score 552.5; DB 14; Length 446;
Best Local Similarity 31.2%; Prd. No. 2.8e-36;
Matches 143;保守性 79; Mismatches 172; Indels 65; Gaps 13;
Qy 21 SAPGGSGNY-----AAALCVVIALTAANSALLIICTOPALRN-TSNPFIVSL 68
Db 7 SAMDTGLVYERDEFSVRLTACPLSLISTLIGNTIVCAAVTRFRHLRSKVTNFFVSL 66
Qy 69 FTSPLMVGIVMPAMNLYGRWLLARGLCLWLTADVMCCSASAINLCLISLDYLLI 128
Db 67 AVSPLIVAVLVMWPKAVAEIAGWMPFP-SFCNWIWAIDIMCSTASAINLCVTSVDRYWA 125
Qy 129 LSPDRYKLENTPRALALVGLAASFLPLLGRHLLSHARPVPG ----- 178
Db 126 SSPPRVERGPTPKAFLISVATLSSVPLVQSLHK--AKPTSPSDCNATSAFT 182
Qy 179 --QCRLLASLPFVIVASGLTFFLPSGAICFTYCRILAAKQAVQVDSL-TIGMASQASE 235
Db 183 IDNCDSLSRTYAISSSVISFYFVAMIVTRIYTAQKIRRRIALLERAVHAKNCQ 242
Qy 236 TLOVPRTPRPGVESADSRRELATKHSRALKAKLTGLLGMFFVTVLPPFFVANIYQCD 295
Db 243 TTGNGKPYBCSQFESFKMSFREKTYLK--TLSVINGVFCWCWDFFLINCDFPCG 299
Qy 296 -----CISPGLPDVLTWLGYNSTMNPPIYDLEMDFKRALGRFLPCPR-CPRERA- 346
Db 300 SGETQPFCDIDSNTDVFWMGWAASSRPIY-AFNADFRKAFSTLIGCYRUCPATNNAI 358
Qy 347 -----SLASPSLRTSHSGBRPGLSLQQLPLPLPPDSDDSDAGSGGSSGLRLTAQLLJP 401
Db 359 ETYSINNNGAAMFSSHEPRGTSKCNLVLVLYPHAYGSSEDLKKERBAGTARPLEKLSP 418
Qy 402 GEATQDPPLPTEAAAVNPNFIDAEPELRP-----HP 434
Db 419 -----ALSVIDDYDTDVSLERIQPTQNGQHP 445

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Search completed: May 7, 2004, 13:25:57
 Job time: 49 secs